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## (54) TRANSMITTER

## (57) Abstract:

**PURPOSE:** To effectively suppress fluctuations in the transmission frequency attended on ambient temperature change with a comparatively simple configuration.

**CONSTITUTION:** An oscillation output of an oscillation circuit 1 provided with a crystal vibrator 1a is amplified by a high frequency amplifier circuit 2 and sent from an antenna 3 as a radio wave signal. The oscillating frequency of the oscillation circuit 1 is adjusted by varying a level of a voltage applied to a varactor diode 4. A temperature sensor 8 senses a temperature of a crystal vibrator 1a or that close thereto and gives the sensed temperature to a control circuit 6. An EEPROM 9 stores plural kinds of transmission signal patterns and also stores offset data quantizing a temperature characteristic curve of the crystal vibrator 1a over a prescribed temperature range. When the control circuit 6 reads the transmission signal pattern from the EEPROM 9, the control circuit 6 reads the offset data corresponding to the temperature represented by the temperature sensing signal from the temperature sensor 8 simultaneously and applies a signal correcting the offset data with respect to the transmission signal pattern to the varactor diode 4

through a D/A converter circuit 5.

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